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Santa Clara, CA 95052

**Intel Legal Team**

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**Page 1 of 13**

**Date: 6-Apr-05**

**To:** Terrell L. McKinnon      **Fax:** 703-872-9306      **Phone:** 571-272-4797  
United States Patent and Trademark Office

**From:** David N. Tran      **Fax:** 408-765-7723      **Phone:** 408-765-4692

**Subject:** Amendment in Application Serial No. 10/749,881

**A CONFIRMATION COPY OF THIS DOCUMENT:**

**WILL NOT BE SENT**

**Application No.:** 10/749,881  
**Filing Date:** December 31, 2003  
**First Named Inventor:** Eric DiStefano  
**Group Art Unit:** 3743  
**Examiner Name:** Terrell L. McKinnon  
**Attorney Docket No.:** P18069

**Enclosures:**

1. Transmittal Form (1 page)
2. Fee Transmittal for FY 2005 (2 page in duplicate)
3. Response to Office Action (9 pages)

**Important Notice**

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APR 6 2005

PTO/SB/17 (12-04v2)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**  
For FY 2005 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

0

**Complete if Known**

Application Number	10/749,881
Filing Date	December 31, 2003
First Named Inventor	Eric DiStefano
Examiner Name	McKinnon, Terrell L.
Art Unit	3743
Attorney Docket No.	P18069

**METHOD OF PAYMENT** (check all that apply)

Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_

Deposit Account Deposit Account Number: 50-0221 Deposit Account Name: Intel Corporation

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s)  Credit any overpayments

(under 37 CFR 1.16 and 1.17)

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**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fee Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Small Entity Fee (\$)
25	- 20 or HP = 5	x 50	= 0	50 25
HP = highest number of total claims paid for, if greater than 20.				200 100
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	360 180
3	- 3 or HP = 0	x 0	= 0	0

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

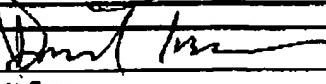
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(c)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
100	/ 50 =	(round up to a whole number)	x 0	0

**4. OTHER FEE(S)**

Non-English Specification. \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): \_\_\_\_\_

SUBMITTED BY:		Registration No. (Attorney/Agent): 50,804	Telephone 408-765-4692
Name (Print/Type):	David N. Tran		Date April 6, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04v2)

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Effective on 12/06/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL For FY 2005

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

0

## Complete if Known

Application Number	10/749,881
Filing Date	December 31, 2003
First Named Inventor	Eric DiStefano
Examiner Name	McKinnon, Terrell L.
Art Unit	3743
Attorney Docket No.	P18069

## METHOD OF PAYMENT (check all that apply)

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## FEE CALCULATION

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Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fee Paid (\$)
	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	
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Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

## 2. EXCESS CLAIM FEES

## Fee Description

Each claim over 20 (including Reissues)  Fee (\$)  
50 25Each independent claim over 3 (including Reissues)  Fee (\$)  
200 100Multiple dependent claims  Fee (\$)  
360 180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
25 - 20 or HP = 5	x 0	= 0				

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims:	Extra Claims	Fee (\$)	Fee Paid (\$)			
3 - 3 or HP = 0	x 0	= 0				

HP = highest number of independent claims paid for, if greater than 3.

## 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(C) and 37 CFR 1.16(s).

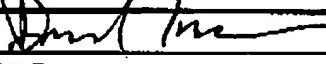
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
	- 100 =	/ 50 =	(round up to a whole number) x 0 = 0	

## 4. OTHER FEE(S)

Non-English Specification. \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): \_\_\_\_\_

0

SUBMITTED BY			
Signature		Registration No. (Attorney/Agent) 50,804	Telephone 408-765-4692
Name (Print/Type)	David N. Tran		Date April 6, 2005

This collection of information is required by 37 CFR 1.138. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/21 (08-03)

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FORM**

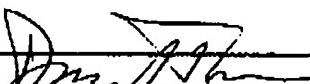
(to be used for all correspondence after initial filing)

		Application Number	10/749,881
		Filing Date	December 31, 2003
		First Named Inventor	Eric DiStefano
		Art Unit	3743
		Examiner Name	McKinnon, Terrell L.
Total Number of Pages in This Submission	12	Attorney Docket Number	P18068

**ENCLOSURES (Check all that apply)**

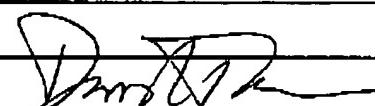
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or individual name	David N. Tran
Signature	
Date	April 6, 2005

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	David N. Tran
Signature	
Date	April 6, 2005

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Attorney's Docket No.: P18069

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:  
Eric DiStefnao, et al.

Application No. 10/749,881

Filed: 12/31/2003

Title: Thermal Solution For Electronics  
Cooling Using a Heat Pipe in  
Combination With Active Loop Solution

Examiner: MCKINNON, TERRELL

Art Unit: 3743

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA. 22313-1450

RESPONSE TO OFFICE ACTION

Sir:

In response to the office communication mailed February 25, 2005, for the above-referenced patent application, it is respectfully requested that the application be amended as follows and that the following remarks be considered:

CERTIFICATE OF TRANSMISSION

## 37 C.F.R. § 1.8(a)

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office on Date: May 6, 2005

Name: David N. Tran

Signature: 